

1875MNRAS...35...110T

and provide them with transport for themselves and their instruments from Bangkok to the station selected by them and back again; and will erect such temporary buildings as are required for them and their instruments.

A communication to this effect will be made by his Excellency the Minister for Foreign Affairs to the acting British Consul General here; but, as this will be slow in reaching the gentlemen interested, His Majesty has commanded me to address this note to you, relying on you to communicate it to the Society as soon as possible.

I shall be most happy to receive any communication from the Secretary of the Society named; and if any gentlemen propose to avail themselves of His Majesty's invitation, I should wish to receive particulars of the probable number of the party or parties, of the station or stations proposed, and the foundations required for instruments,—a plan in fact, of each intended observatory, that I may submit them for his Majesty's orders.

You may state that our topographer, Captain Loftus, and other officers who as surveyors are accustomed to precise observations, will be happy to assist if desired, and His Majesty will willingly release them from their other duties for this purpose.

With the assurance of my high esteem,

Believe me,

My dear Sir,

Your most faithful friend,

(Signed)

BHASHAKARAWONGSE,
H.S.M. Private Secretary.

D. K. Mason, Esq.

Phra Siam Dhurabah,

His Siamese Majesty's Consul in London.

Further Ring-Micrometer Observations of Coggia's Comet (III. 1874).

By John Tebbutt, Esq.

The following observations of Coggia's Comet have been reduced since my communication of the 27th August. The effect of refraction on the differential observations being scarcely appreciable, the corrections on that account have been disregarded. The comparisons to the 24th August inclusive have been corrected for the Comet's proper motion, but no corrections have been applied for parallax.

		Comets.				No. of Comps.
Windsor M.T.		App. R.A.			App. N.P.D.	
1874.	h m s		m s		' "	
Aug. 6	6 15 40	Lacaille 3086	+ 7 37.83	Lacaille 3086	- 0 23.8	1
" 6	6 15 40	<i>a</i>	+ 3 56.85	<i>a</i>	- 0 6.1	1
" 7	6 19 17	.....		Lacaille 3180	+ 1 18.6	3
" 7	6 23 49	Lacaille 3180	- 4 19.91	.....		4
" 13	6 34 54	Lacaille 3193	- 0 39.23	Lacaille 3193	+ 0 9.0	5
" 14	6 43 41	.....		<i>b</i>	+ 1 15.2	3
" 14	6 51 37	<i>b</i>	+ 1 23.88	.....		4
" 18	16 14 29	<i>c</i>	+ 3 52.84	<i>c</i>	- 10 50.2	5
" 18	16 26 41	<i>d</i>	+ 0 2.13	<i>d</i>	+ 1 5.1	2
" 20	6 59 33	<i>e</i>	+ 9 1.34	<i>e</i>	+ 0 32.0	2
" 22	7 7 10	<i>f</i>	- 1 3.75	<i>f</i>	- 0 17.5	4
" 24	7 8 6	<i>g</i>	- 5 49.84	<i>g</i>	+ 2 1.2	3
" 25	7 19 30	.....		<i>h</i>	- 0 54.4	6
" 25	7 24 10	<i>h</i>	- 1 59.11	.....		7
" 26	6 54 7	<i>i</i>	+ 6 56.58	<i>i</i>	- 3 9.4	2
" 26	16 1 16	<i>j</i>	+ 1 14.18	<i>j</i>	- 11 57.7	3
" 26	16 38 15	B.A.C. 2770	+ 6 16.60	.....		8
" 26	16 57 42	.....		B.A.C. 2770	- 2 49.1	5
" 26	17 0 26	<i>i</i>	+ 7 7.95	.....		5
" 26	17 8 39	.....		<i>i</i>	+ 10 0.9	4

The following are the positions of the comparison-stars not identified, with reference to other stars which could be identified at the time:—

Comp.- Star.	Mag.	R.A.		N.P.D.	
			m s		' "
<i>a</i>	7	Lacaille 3086	+ 3 41.0	Lacaille 3086	- 0 18
<i>b</i>	7½	B.A.C. 2665	+ 11 9.5	B.A.C. 2665	- 12 23
<i>c</i>	7	B.A.C. 2626	+ 18 47.0	B.A.C. 2626	+ 9 12
<i>d</i>	8	<i>c</i>	+ 3 51.1	<i>c</i>	- 11 33
<i>e</i>	8	B.A.C. 2656	+ 8 38.4	B.A.C. 2656	+ 11 32
<i>f</i>	8½	Lacaille 3286	- 2 46.4	Lacaille 3286	+ 8 6
<i>g</i>	8	8 ^h 17 ^m 57 ^s		149° 32'	
<i>h</i>	8	B.A.C. 2669	+ 20 22.7	B.A.C. 2669	- 1 39
<i>i</i>	7	B.A.C. 2770	- 0 51.2	B.A.C. 2770	- 12 43
<i>j</i>	7½	B.A.C. 2770	+ 5 2.2	B.A.C. 2770	+ 8 19

i and *j* are probably Lacaille 3211 and 3264 respectively,

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112 Mr. Marth, *Ephemeris for Physical Obs. of Jupiter.* XXXV. 3,
the catalogued right ascensions and north polar distances being
too large.

The remaining observations of the Comet, extending to the
7th instant, shall be forwarded, if possible, by next mail.

Windsor, N.S. Wales,
October 22, 1874.

Ephemeris for Physical Observations of Jupiter.

By A. Marth.

(Communicated by Warren De La Rue, Esq.)

Greenwich, Noon.	Angle of position of Υ 's axis.	Western long. of Υ 's meridian turned to the Earth.	Difference of long. of Sun and Earth.		Latitude of Earth | Sun above Υ 's Equator.	
1875.	°	°	°	°	°	°
Feb. 20	21°40	125°04	-9°06	+0°50	-3°19	-2°83
		4356°46				
25	21°43	158°50	8°56		3°21	2°84
		3°52		°57		
Mar. 2	21°47	192°02	7°99		3°22	2°85
		3°57		°65		
7	21°53	225°59	7°34		3°23	2°86
		3°62		°72		
12	21°61	259°21	6°62		3°24	2°86
		3°66		°79		
17	21°70	292°87	5°83		3°24	2°87
		3°68		°84		
22	21°80	326°55	4°99		3°24	2°88
		3°70		°90		
27	21°92	0°25	4°09		3°24	2°89
		3°71		°95		
Apr. 1	22°04	33°96	3°14		3°24	2°89
		3°71		°98		
6	22°17	67°67	2°16		3°23	2°90
		3°69		1°00		
11	22°30	101°36	1°16		3°21	2°91
		3°67		1°01		
16	22°43	135°03	-0°15		3°20	2°91
		3°64		1°02		
21	22°56	168°67	+0°87		3°18	2°92
		3°59		1°01		
26	22°68	202°26	1°88		3°16	2°92
		3°53		0°99		
May 1	22°80	235°79	2°87		3°13	2°93
		3°46		°96		
6	22°91	269°25	3°83		3°11	2°94
		3°39		°92		
11	23°01	302°64	4°75		3°03	2°94
		3°31		°87		
16	23°10	335°95	5°62		3°05	2°95
		3°22		°82		